**The Power of Color: An Exploration of Color in Sport, Wellness, Design + Technology** Sophia Naureen Ahmad Final Project as an Apprentice with New Balance's Lifestyle Color, Concept + Materials Team Website: sophianahmad.com

### SOURCES BY PAGE

#### 4 — THE POWER OF COLOR: WHY DOES IT MATTER?

Colorcom, "Why Color Matters" <u>https://www.colorcom.com/research/why-color-matters</u>

#### 8 — COLOR LANGUAGE: HOW TO DESCRIBE COLOR

Color Cube, "Color Glossary" <u>http://www.colorcube.com/articles/theory/glossary.htm</u> Tiger Color, "Introduction to Color Theory" <u>https://www.tigercolor.com/color-lab/color-theory/color-theory-intro.htm</u> Hue, Value and Chroma, The Dimensions of Colour by David Briggs <u>http://www.huevaluechroma.com/</u>

#### 9-12 — COLOR PERCEPTION: HOW DOES IT WORK?

Design Observer, "The Tricky Science of Color Perception" by Jude Stewart <u>https://designobserver.com/feature/the-tricky-science-of-color-perception/38082</u> Visible Light Spectrum Diagram by Randall Wong <u>https://bceye.com/what-is-blue-light/visible-light-spectrum-color-waves-length-perceived-by-human-eye-ra</u> <u>inbow-electromagnetic-waves-educational-school-physics-diagram/</u> Management Decision, "Impact of color on marketing" by Satyendra Singh <u>https://www.researchgate.net/publication/235320162\_Impact\_of\_color\_on\_marketing</u> BOOK: The Secret Lives of Color by Kassia St. Clair, (pages 13-15) <u>https://www.penguinrandomhouse.com/books/552503/the-secret-lives-of-color-by-kassia-st-clair/</u>

### **13 — COLOR PERCEPTION - EMOTION**

VIDEO: Margrethe Odgaard Interview: Shades of Light by Louisiana Channel <u>https://www.youtube.com/watch?v=K21VOMQqizU&t=52s</u> Thinking Hat, "The Artist with an appetite for colour" by Harriet Bottom <u>https://thinking-hat.com/2016/07/11/the-artist-with-an-appetite-for-colour/</u> Margrethe Odgaard <u>https://margretheodgaard.com/</u>

### 14 — RED

Animal Behaviour, "Red clothing increases perceived dominance, aggression and anger" by Various Authors

<u>https://royalsocietypublishing.org/doi/full/10.1098/rsbl.2015.0166</u> The Atlantic, "Why Humans Are So Good at Seeing Green" by James P. Higham <u>https://www.theatlantic.com/science/archive/2018/02/seeing-red/552473/</u> Discover, "Red sports teams are more likely to win" by Seriously Science <u>https://www.discovermagazine.com/health/red-sports-teams-are-more-likely-to-win</u>

### 15 — ORANGE

BOOK: The Organism by Kurt Goldstein

https://mitpress.mit.edu/books/organism

Women's Health, "Kendall Jenner Says This Paint Color Is A Natural 'Appetite Suppressant'" by Korin Miller

https://www.womenshealthmag.com/weight-loss/a19938067/kendall-jenner-weight-loss/

Muscle and Fitness, "How Color Affects Your Workout" by Pratik Dholakiya

https://www.muscleandfitness.com/workouts/workout-tips/how-color-affects-your-workout/

AWG Sales Services, "Color Psychology in Food Marketing"

https://awgsalesservices.com/2016/04/21/color-psychology-in-food-marketing/

# 16 — YELLOW

Atlantic, "What Color Is a Tennis Ball?" by Marina Koren <u>https://www.theatlantic.com/science/archive/2018/02/what-color-tennis-ball-green-yellow/523521/</u> Muscle and Fitness, "How Color Affects Your Workout" by Pratik Dholakiya <u>https://www.muscleandfitness.com/workouts/workout-tips/how-color-affects-your-workout/</u> Street Directory, "Black on Yellow, Best Visible Contrast" <u>https://www.streetdirectory.com/travel\_guide/116665/electronics/black\_on\_yellow\_best\_visible\_contrast.ht</u> <u>ml</u>

*Tennis 365, "How tennis changed from white to yellow tennis balls thanks to David Attenborough"* <u>https://www.tennis365.com/tennis-features/how-tennis-changed-from-white-to-yellow-tennis-balls-thanks-t</u> <u>o-david-attenborough/</u>

# 17 — GREEN

Mental Floss, "This Is the Most Visible Color in the World" by Shaunacy Ferro <u>https://www.mentalfloss.com/article/500751/most-visible-color-world</u> The Atlantic, "Why Humans Are So Good at Seeing Green" by James P. Higham <u>https://www.theatlantic.com/science/archive/2018/02/seeing-red/552473/</u> Harvard Medical School News, "Green Light for Migraine Relief" by Jennifer Kritz <u>https://hms.harvard.edu/news/green-light-migraine-relief</u> Texas Medical Center News, "Exposure to Green Light May Reduce Pain" by Shanley Pierce <u>https://www.tmc.edu/news/2020/02/exposure-to-green-light-may-reduce-pain/</u> VIDEO: Techquickie, How does night vision work? <u>https://www.youtube.com/watch?v=CP6wofWfUws</u>

# 18 — BLUE

Mental Health America, "How Blue Light Affects Mental Health" <u>https://www.mhanational.org/blog/how-blue-light-affects-mental-health</u> Scientific American, "Why is the sky blue?" <u>https://www.scientificamerican.com/article/why-is-the-sky-blue/</u> Muscle and Fitness, "How Color Affects Your Workout" by Pratik Dholakiya <u>https://www.muscleandfitness.com/workouts/workout-tips/how-color-affects-your-workout/</u> Medium, "Understanding Colour Psychology for Restaurants & Brands" by Ashley Anastaisa Howell <u>https://medium.com/@ashley\_howell/understanding-colour-psychology-for-restaurants-brands-dbb7ffbcec</u> <u>ae</u>

### 19 — PURPLE

Teen Vogue, "How To Get Megan Rapinoe's 2019 World Cup Winning Purple Hair" by Lauren Rearick <u>https://www.teenvogue.com/story/stylists-ways-to-get-megan-rapinoe-inspired-purple-hair</u>

BBC Good Food, "What are anthocyanins and why are purple foods so healthy?" by Sarah Lienard <u>https://www.bbcgoodfood.com/howto/guide/what-are-anthocyanins-and-why-are-purple-foods-so-healthy</u>

Verywell Mind, "The Color Psychology of Purple" by Kendra Cherry

https://www.verywellmind.com/the-color-psychology-of-purple-2795820

BOOK: The Secret Lives of Color by Kassia St. Clair, (page 174)

https://www.penguinrandomhouse.com/books/552503/the-secret-lives-of-color-by-kassia-st-clair/

### 20 — PINK

BOOK: Drunk Tank Pink: The Subconscious Forces That Shape How We Think, Feel and Behave by Adam Alter

http://adamalterauthor.com/drunk-tank-pink

Journal of Orthomolecular Psychiatry, "Tranquilizing effect of color reduces aggressive behavior and potential violence" by Alexander G. Schauss

http://www.orthomolecular.org/library/jom/1979/pdf/1979-v08n04-p218.pdf

LiveAbout, "The Pink Locker Room at Iowa State's Kinnick Stadium" by Tim Hyland <u>https://www.liveabout.com/pink-locker-room-at-iowa-kinnick-stadium-791834</u>

Good, "Iowa Football's Infamous Pink Locker Room Was Redesigned by a Visiting Team" by Penn Collins <u>https://www.good.is/sports/iowa-pink-locker-room</u>

Apartment Therapy, "The One Color That Might Make You Calmer, According to Science" by Caroline Biggs

https://www.apartmenttherapy.com/baker-miller-pink-effects-36716406

Print, "Drunk Tank Pink: The Power of Color in Marketing" by Jude Stewart

https://www.printmag.com/imprint/new-post-unedited-drunk-tank-pink-the-power-of-color-in-marketing/

Time, "Does the Color Pink Exist? Scientists Aren't Sure" by Melissa Locker

https://newsfeed.time.com/2012/03/07/does-the-color-pink-exist-scientists-arent-sure/

Vogue, "The Fastest Woman in the World was the Most Fashionable, Too: Flo-Jo's Olympics Style" by Marjon Carlos

https://www.vogue.com/article/florence-griffith-joyner-flo-jo-olympics-track-and-field-athleisure

# 21 — WHITE

The Independent, "Wimbledon: Why tennis players have to wear white at the tournament" by Sabrina Barr <u>https://www.independent.co.uk/life-style/fashion/wimbledon-2019-white-dress-code-why-tennis-players-rul</u> es-history-sexist-a8977311.html

The Atlantic, "Why Do Tennis Players Wear White?" by Emily Chertoff <u>https://www.theatlantic.com/entertainment/archive/2012/08/why-do-tennis-players-wear-white/260785/</u>

# 22 — BLACK

ABC News Australia, "Sports jersey colour linked to injury risk among children in rugby league" by Marian Faa

https://www.abc.net.au/news/2019-08-14/sports-jersey-colour-linked-to-injury-risk-among-children/114099 92

ESPN, "The evolution of eye black" by Paul Lukas http://www.espn.com/espn/page2/story?page=lukas/061127

### 23 — GREY

Pantone Color Institute, "Jason Wu and the Pantone Color Institute Unveil a Signature Color for His New Collection Grey Jason Wu" by Laurie Pressman

https://www.pantone.com/color-intelligence/articles/case-studies/jason-wu-and-the-pantone-color-institute -unveil-a-signature-color-for-his-new-collection-grey-jason-wu

Scientific Reports, "Reading and Myopia: Contrast Polarity Matters" by Various Authors https://www.nature.com/articles/s41598-018-28904-x

UX Movement, "Why You Should Never Use Pure Black For Text or Backgrounds"

https://uxmovement.com/content/whv-vou-should-never-use-pure-black-for-text-or-backgrounds/

Chad Moeller Baseball, "Why Do Home Teams Wear White and Visiting Teams Wear Grey?" by Chad Moeller

https://chadmoellerbaseball.com/instructional-baseball-blog/why-do-home-teams-wear-white-and-visiting-t eams-wear-grev/

### 24 — NUDE

Humanae Project by Angelica Dass

https://www.angelicadass.com/humanae-project

LinkedIn, "A Nude Awakening: Is it time to banish the beige?" by Hannah Craggs

https://www.linkedin.com/pulse/nude-awakening-time-banish-beige-hannah-craggs/

Bustle, "Christian Louboutin Expands Nude Shoe Collection to 8 Shades" by Mekita Rivas

https://www.bustle.com/p/christian-louboutin-expands-nude-shoe-collection-to-8-shades-22941317

Refinery29, "This Inclusive Canadian Brand Is Now Making Nude Lingerie For All" by Truc Nguyen https://www.refinerv29.com/en-ca/2020/05/9820616/lingerie-best-nude-bras-underwear-all-skin-tones CNN, "Crayola unveils new packs of crayons to reflect world's skin tones" by Ganesh Setty

https://www.cnn.com/2020/05/22/us/cravola-skin-tone-cravons-trnd/index.html

### 26 — IMMERSIVE COLOR: EXPERIENTIAL ART

Vox, "Gradients: the colorful design trend aiming to soothe these anxious times" by Daisy Alioto https://www.vox.com/the-goods/2019/3/1/18241592/gradients-facebook-coachella-daily-fading-pastel-desi gn-trend

Rolling Stone, "Beginning to See the Light: Kanye West's Fascination With James Turrell" by Joe Blistein https://www.rollingstone.com/music/music-news/kanye-west-james-turrell-jesus-is-king-film-roden-crater-9 04893/

Dezeen, "Olafur Eliasson: In Real Life encourages visitors to engage with climate change" by Augusta Pownall

https://www.dezeen.com/2019/07/10/olafur-eliasson-in-real-life-tate-modern-exhibition/

Carlos Cruz-Diez. Chromosaturation

http://www.cruz-diez.com/work/chromosaturation/

Liz West

http://www.liz-west.com/

### 27 — IMMERSIVE COLOR: AURA PHOTOGRAPHY

The Ringer, "How Aura Photography Invaded Instagram" by Molly McHugh https://www.theringer.com/tech/2018/11/15/18050140/aura-photography-instagram-auracam6000-christin a-lonsdale-new-age

Goop, "Radiant Human & Aura Photography"

<u>https://goop.com/wellness/spirituality/radiant-human-aura-photography/</u> AuraAura, "Color Guide" <u>https://www.auraaura.co/aura-colors</u>

### 28 — IMMERSIVE COLOR: FITNESS EXPERIENCES

ChromaYoga <u>https://www.chromayoga.co.uk/</u> VIDEO: Trendstop: ChromaYoga <u>https://www.youtube.com/watch?v=v38vEXd8e3g</u> Core Collective <u>https://www.core-collective.co.uk/</u> Shape, "Is Blacklight Yoga the New Rave Party?" by Rachel Jacoby Zoldan <u>https://www.shape.com/fitness/trends/blacklight-yoga-class</u> Yoga Journal, "Flow in The Dark: Try Glowga" by Yelena Moroz Alpert <u>https://www.yogajournal.com/lifestyle/flow-dark-try-glowga</u>

# 29 — IMMERSIVE COLOR: COURTS COME TO LIFE

Project Backboard https://projectbackboard.org/ Love Good Color, "Project Backboard: How Dan Peterson is using COLOR for GOOD" https://lovegoodcolor.com/color-does-good/project-backboard Hypebeast, "Stéphane Ashpool Brings the Pigalle Basketball Court to Beijing" https://hypebeast.com/2019/9/nike-stephane-ashpool-pigalle-beijing-basketball-court-collection-info Victor Cheng https://www.instagram.com/veeceecheng/

# 31 — HEALING COLOR: COLOR-ENHANCED WELLNESS

Men's Journal, "How Red Light Therapy Can Help You Sleep Better, Recover Faster, and Train Harder" by Marjoie Korn

https://www.mensjournal.com/health-fitness/red-light-therapy-how-it-works-and-what-it-does/

Financial Review, "LED therapy has its moment in the sun as salons remain closed" by Annie Brown <u>https://www.afr.com/life-and-luxury/fashion-and-style/led-therapy-has-its-moment-in-the-sun-as-salons-re</u> main-closed-20200427-p54nj0

Yahoo! Sports, "Kourtney Kardashian the latest celeb to praise LED face masks: So what's the hype about?" by Maisie Bovingdon

https://sports.yahoo.com/kourtney-kardashian-poosh-led-face-mask-beauty-skincare-112807421.html https://perspiresaunastudio.com/how-infrared-sauna-works/

Forbes, "Combatting Jet Lag With All Colors of the Rainbow" by Suze Kundu

https://www.forbes.com/sites/sujatakundu/2016/08/31/manipulating-your-melanopsin-with-mood-lighting-c ombatting-jet-lag-with-all-colours-of-the-rainbow/#102fb83549be

Lonely Planet, "This new plane has special lighting and air filters to help passengers beat jet lag" <u>https://www.lonelyplanet.com/articles/plane-special-lighting-air-filters-jet-lag</u>

### 32 — HEALING COLOR: SANITIZING WITH UV LIGHT

The Verge, "Here's how NYC is using powerful UV light to kill the coronavirus on subways and buses" by Andrew J. Hawkins

https://www.theverge.com/2020/5/20/21265221/nyc-mta-ultraviolet-light-uvc-coronavirus-disinfect-puro-pi ctures CBS News, "Coronavirus crisis shines new light on microbe-blasting UV technology" by Lucy Craft <u>https://www.cbsnews.com/news/coronavirus-crisis-far-uvc-light-microbe-blasting-uv-technology-could-kill-covid-19-public-places/</u>

### 33-35 — HEALING COLOR: HEALTHCARE DESIGN

Shaping Care - Colours for health https://www.shapingcare.com/ Hospital Rooms https://hospital-rooms.com/ The Junipers PICU - Rose Pilkington http://rosepilkington.com/work/hospital-rooms/ Domus, "Nursing home" https://www.domusweb.it/en/architecture/2015/12/09/dominique\_coulon\_associes\_92\_bed\_nursing\_home \_in\_pont\_sur\_yonne.html BOOK: Thinking Color in Space by Various Authors https://www.degruyter.com/view/title/524954

# 37 — INNOVATIVE COLOR: NEW FRONTIERS

Dezeen, "MIT creates blackest black that is darker than Vantablack" by India Block <u>https://www.dezeen.com/2019/09/24/blackest-black-mit-material-news-vantablack/</u> Fast Company, "Vantablack is the world's blackest black. Get ready to see it everywhere" by Elizabeth Segran <u>https://www.fastcompany.com/90451243/get-ready-for-vantablack-the-worlds-blackest-black-to-be-everyw</u> <u>here</u> Oregon State University, "The Story of YInMn Blue" by the Department of Chemistry

https://chemistry.oregonstate.edu/content/story-yinmn-blue VIDEO: AMD: Radeon ProWx Series and YinMn Blue https://youtu.be/GMXS1A2uBeE

# 38 — INNOVATIVE COLOR: BIOMIMICRY

Science Daily, "Pretty as a peacock: The gemstone for the next generation of smart sensors" by University of Surrey

https://www.sciencedailv.com/releases/2020/05/200519090315.htm

Free News, "Scientists have created smart opal sensors inspired by peacock feathers" by Flyn Braun <u>https://freenews.live/scientists-have-created-smart-opal-sensors-inspired-by-peacock-feathers/</u> The New York Times, "Why Is This Chocolate Shimmering Like a Rainbow?" by Devi Lockwood <u>https://www.nytimes.com/2020/05/21/science/chocolate-irisdescent-rainbow.html</u>

Material Designers, Instagram post featuring Sara Kickmayer by @materialdesigners https://www.instagram.com/p/B5nq5VPonOG/ https://www.instagram.com/by\_sara\_k/

# Page 39 - INNOVATIVE COLOR: BIOIRIDESCENCE

Dezeen, "Bio Iridescent Sequin made from trees responds to growing demand for greener fashion" by India Block

https://www.dezeen.com/2019/08/02/bio-iridescent-sequin-elissa-brunato-sustainable-fashion/ Elissa Brunato

https://www.elissabrunato.com/future\_sequin.html